Claims:

Please amend the claims as follow: Please **delete** claims **1-7** per the Examiners helpful suggestions and add claims **8 - 11**.

Claims 1 – 7 (canceled)

NE 4/6/04 JE

Claim 8 (new): The method for the detection of Prostate Specific Antigen the analyte of interest in a sample, wherein the sample is selected from the group consisting of urine, serum, whole blood, cerebral spinal fluid, gastric fluid, sweat extracts, hair homogenates, or saliva consisting essentially of using nucleounits targeted to Prostate Specific Antigen, identifying a nucleounit from a mixture of synthetic random sequences of nucleounit libraries, contacting the analyte with said mixture, removing the unbound nucleounits by partitioning, amplifying the remaining nucleounits by PCR, conjugating the nucleounits to an indicator and then using the nucleounit indicator conjugate for detecting the presence of Prostate Specific Antigen by;

(A) placing the reagent consisting essentially of an nucleounit indicator conjugate and a buffer in the reagent compartment of a chemistry autoanalyzer, aliquoting samples, calibrators, and controls into sample cups and placing them on the chemistry autoanalyzer;

(B) and transferring aliquots of each sample, calibrator, and control into single discrete cuvettes mounted within the chemistry autoanalyzer; and

(C) aliquoting the said reagent into each cuvette and mixing; and

(D) incubating the reaction mixture; and

(E) measuring and recording absorbance values of the reaction mixtures with the chemistry autoanalyzer's spectrophotometer at 340 nm to 800 nm at preprogrammed time intervals; and